

Title (en)

Organic light emitting diode display device and method for driving the same

Title (de)

Organische lichtemittierende Diodenanzeigevorrichtung und Ansteuerungsverfahren dafür

Title (fr)

Dispositif à diode d'affichage électroluminescent organique et son procédé de commande

Publication

EP 2592616 A1 20130515 (EN)

Application

EP 12007427 A 20121030

Priority

KR 20110116659 A 20111109

Abstract (en)

An organic light emitting diode (OLED) display device and a method are discussed. The OLED display device includes a display panel (1), a power supply unit (4) for supplying drive voltages having different levels respectively corresponding to a user image display mode and an idle mode to power lines (PL) of a display panel (1) in accordance with the user image display mode and the idle mode, respectively, a timing controller (5) for controlling the power supply unit (4), to thereby control image display operations in accordance with the user image display mode and the idle mode, respectively, and a drive voltage generating unit (6) for varying a level of a feedback voltage thereof in accordance with a predetermined feedback reference voltage select signal so that the same period of time is taken to generate the drive voltages upon a mode change to the user image display mode and a mode change to the idle mode, respectively.

IPC 8 full level

G09G 3/32 (2006.01)

CPC (source: EP KR US)

G09G 3/30 (2013.01 - KR); **G09G 3/3208** (2013.01 - EP US); **G09G 2330/021** (2013.01 - EP US); **G09G 2330/028** (2013.01 - EP US)

Citation (search report)

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CN105304020A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2592616 A1 20130515; **EP 2592616 B1 20230412**; CN 103106868 A 20130515; CN 103106868 B 20160810; KR 101469479 B1 20141208; KR 20130051363 A 20130520; TW 201330245 A 20130716; TW I475687 B 20150301; US 2013113775 A1 20130509; US 9240138 B2 20160119

DOCDB simple family (application)

EP 12007427 A 20121030; CN 201210441523 A 20121107; KR 20110116659 A 20111109; TW 101141903 A 20121109; US 201213672200 A 20121108